

FIG. 1

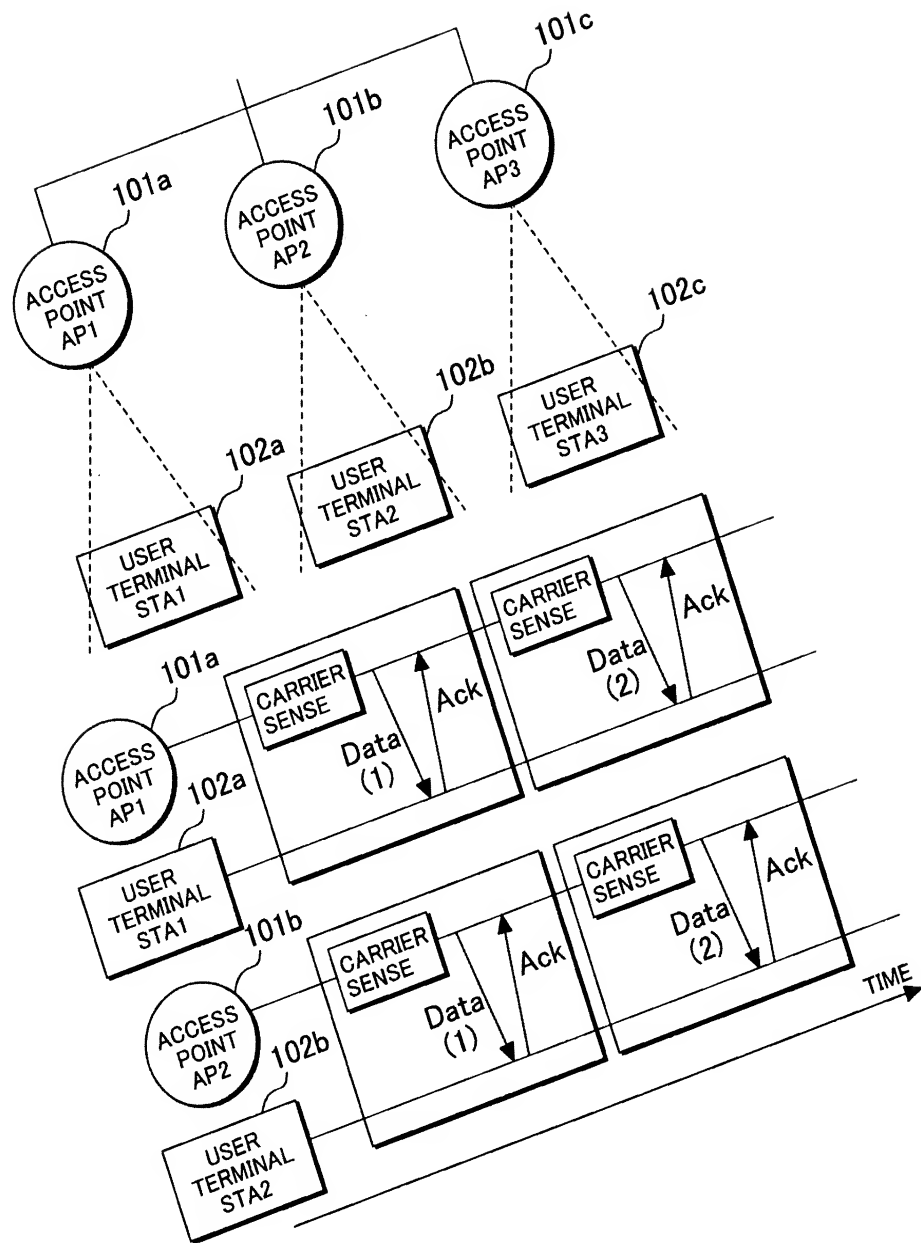
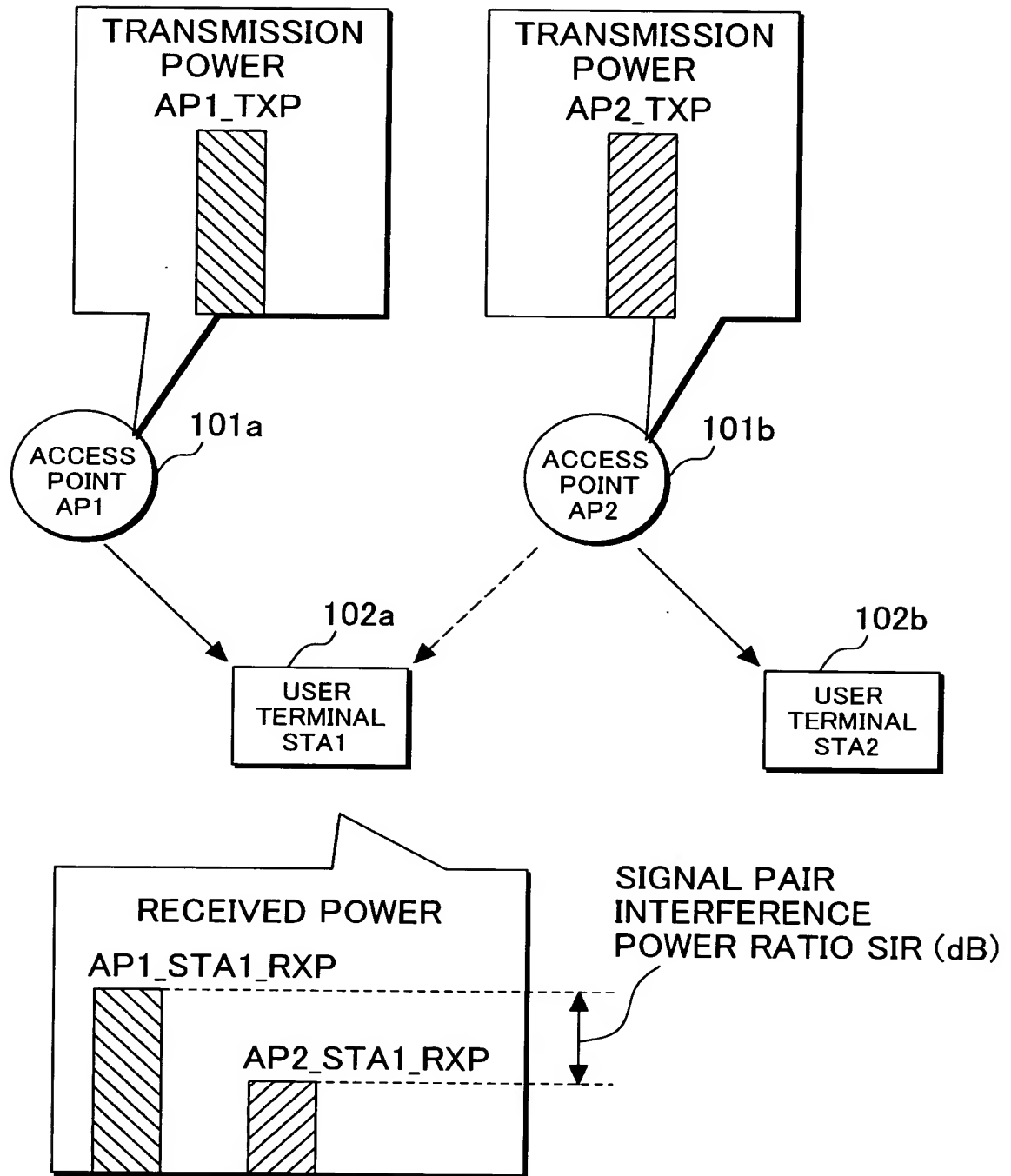
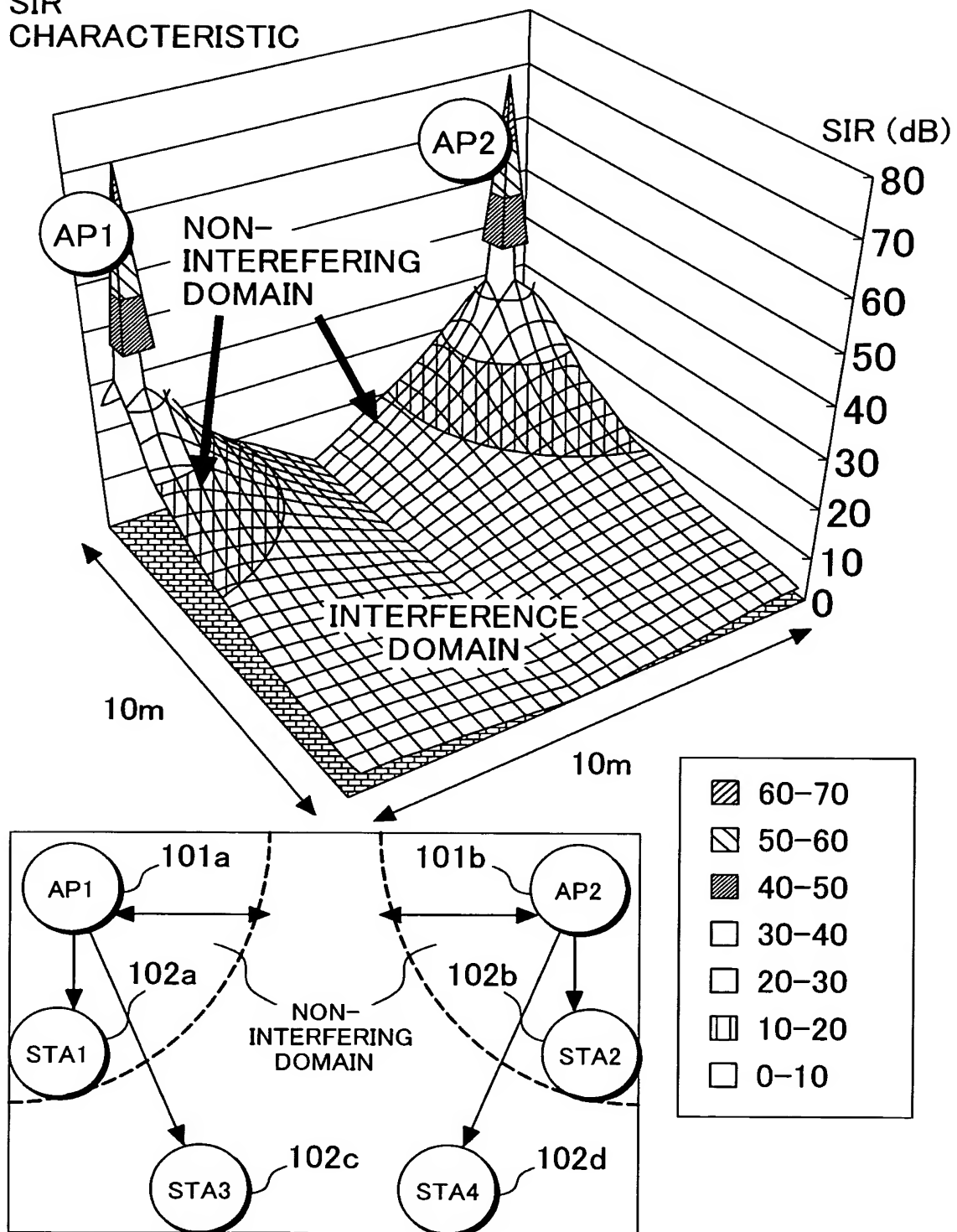


FIG.2

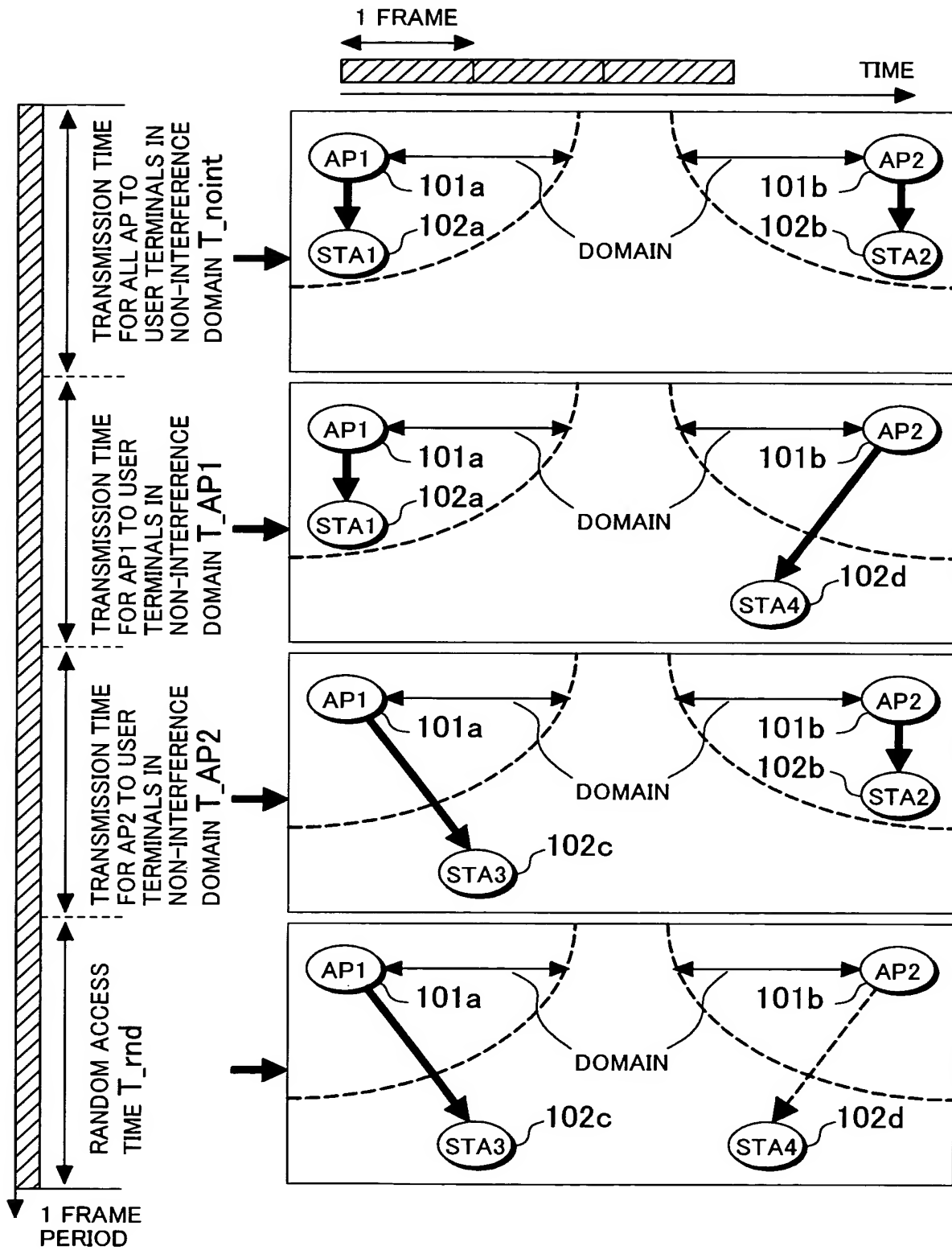


# FIG.3

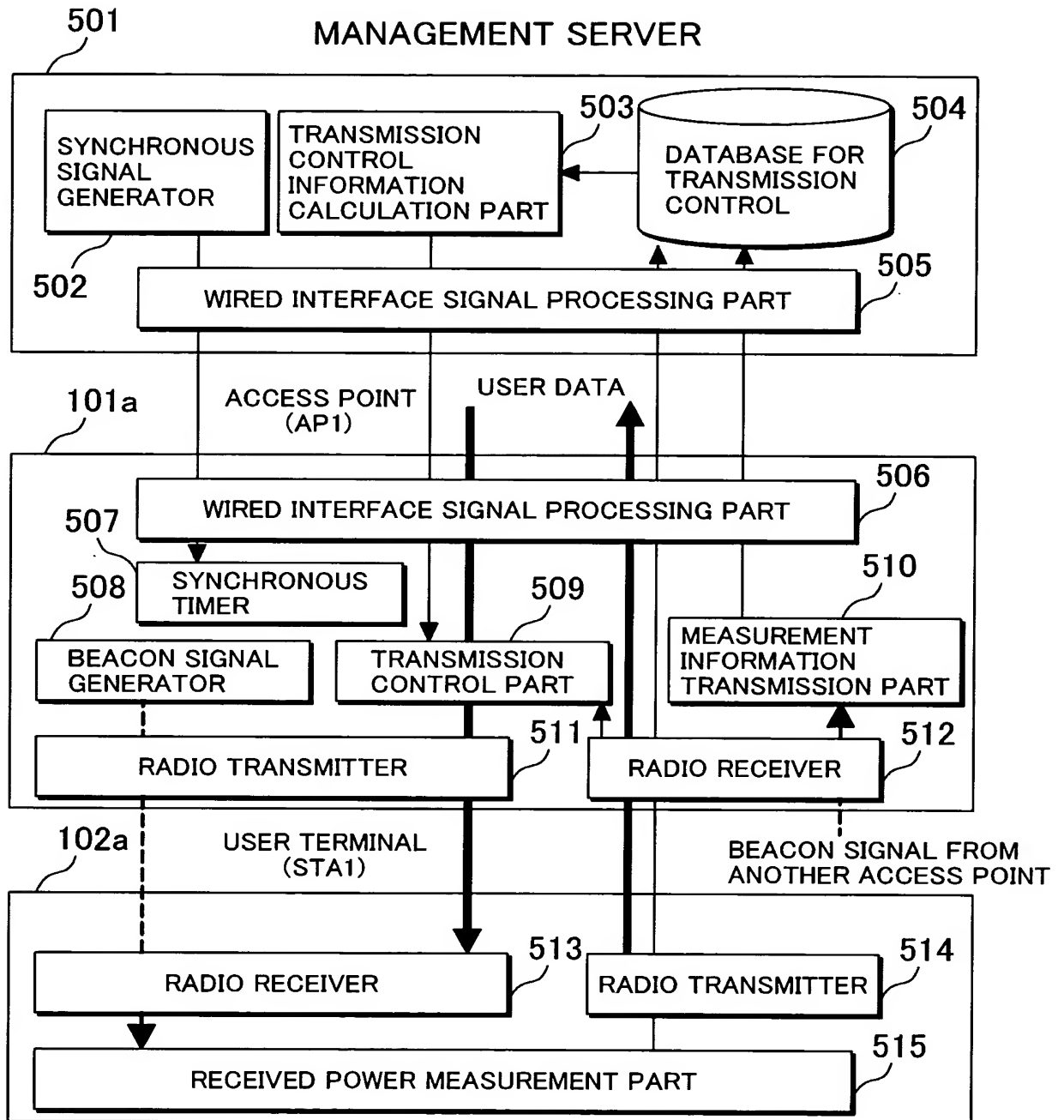
SIR  
CHARACTERISTIC



# FIG.4

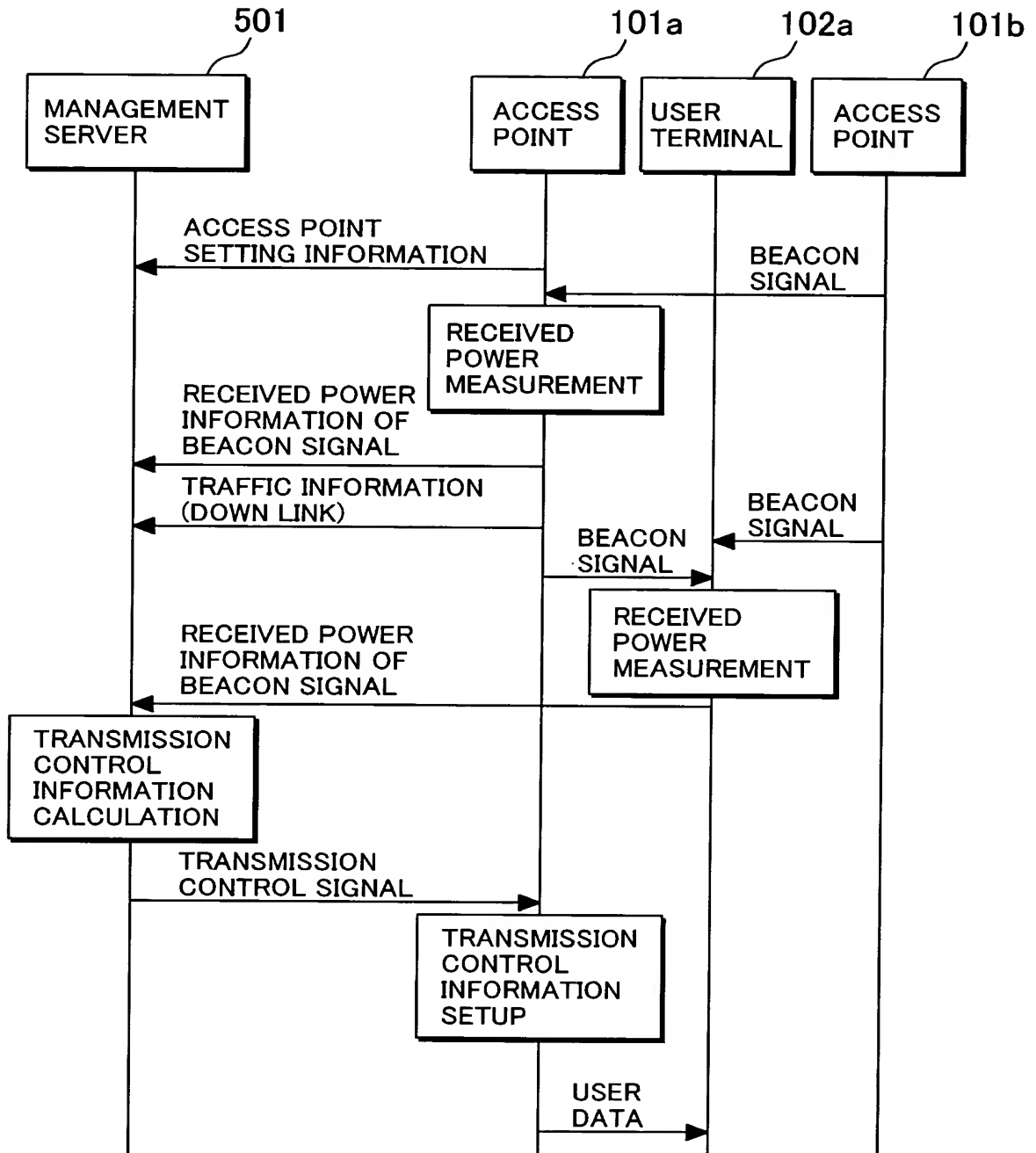


# FIG.5



# FIG.6

## CONTROL SEQUENCE



# FIG.7

## DATABASE INFORMATION FOR TRANSMISSION CONTROL

### (1) ACCESS POINT SETTING INFORMATION

	TRANSMISSION POWER OF BEACON SIGNAL	CARRIER SENSE THRESHOLD
AP 1	15 dBm	-94 dBm
AP i	AP i_Btxp	AP i_CSthr
AP X	15 dBm	-90 dBm

### (2) RECEIVED POWER INFORMATION OF BEACON SIGNAL OF ACCESS POINTS

	AP 1	..	AP i	AP X
AP 1	-			-94 dBm
AP j			AP i_AP j_Brxp	
AP X	-94 dBm			-

### (3) RECEIVED POWER INFORMATION OF BEACON SIGNAL OF USER TERMINALS

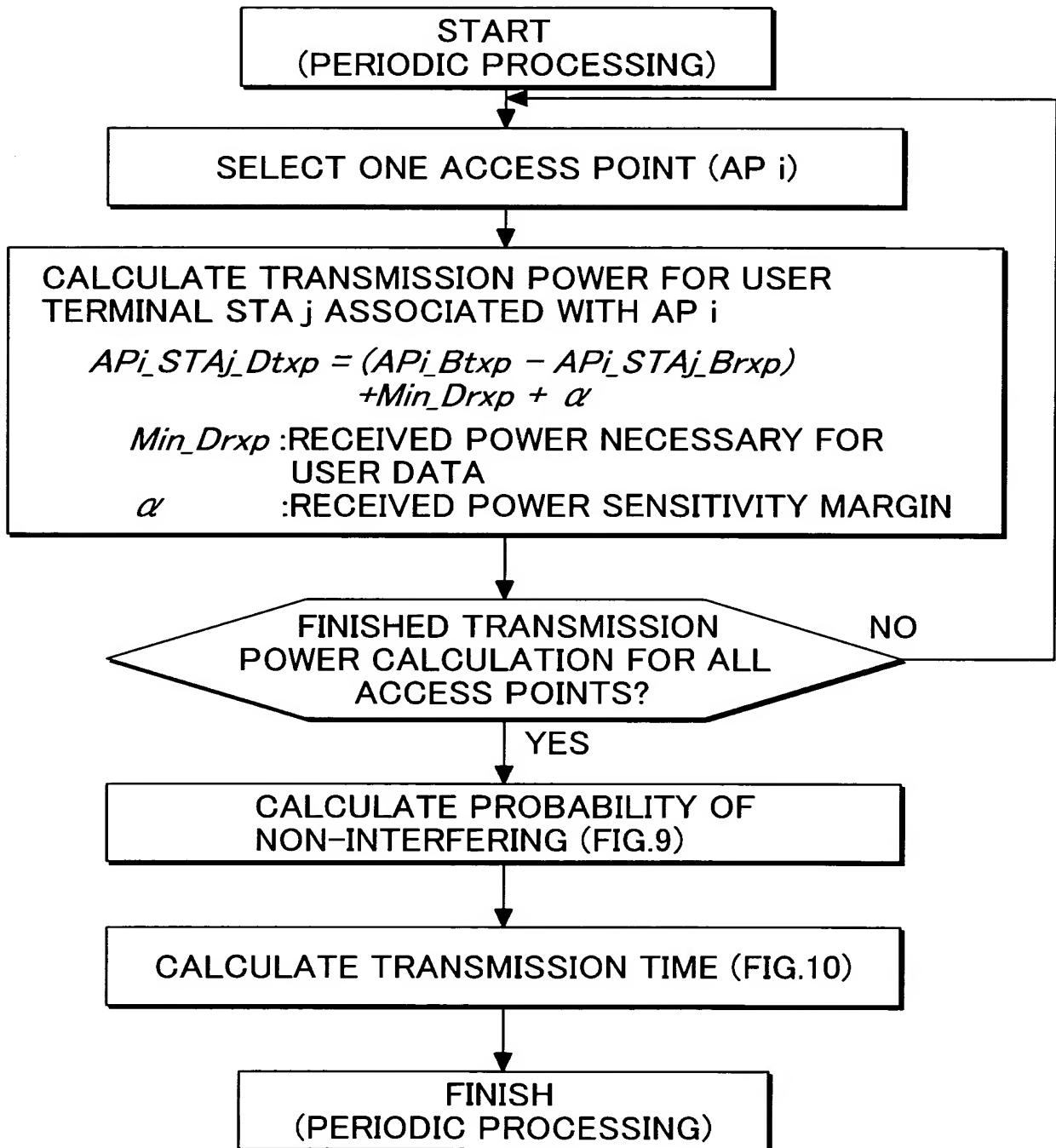
	AP 1	..	AP i	AP X
STA 1	-65 dBm			-94 dBm
STA j			AP i_STA j_Brxp	
STA X	-94 dBm			-62 dBm

### (4) TRAFFIC INFORMATION OF ACCESS POINTS (DOWNLINK)

	STA 1	..	STA j	STA X
AP 1	8 kbit/s			250 kbit/s
AP i			AP i_STA j_TRA	
AP X	100 kbit/s			100 kbit/s

# FIG.8

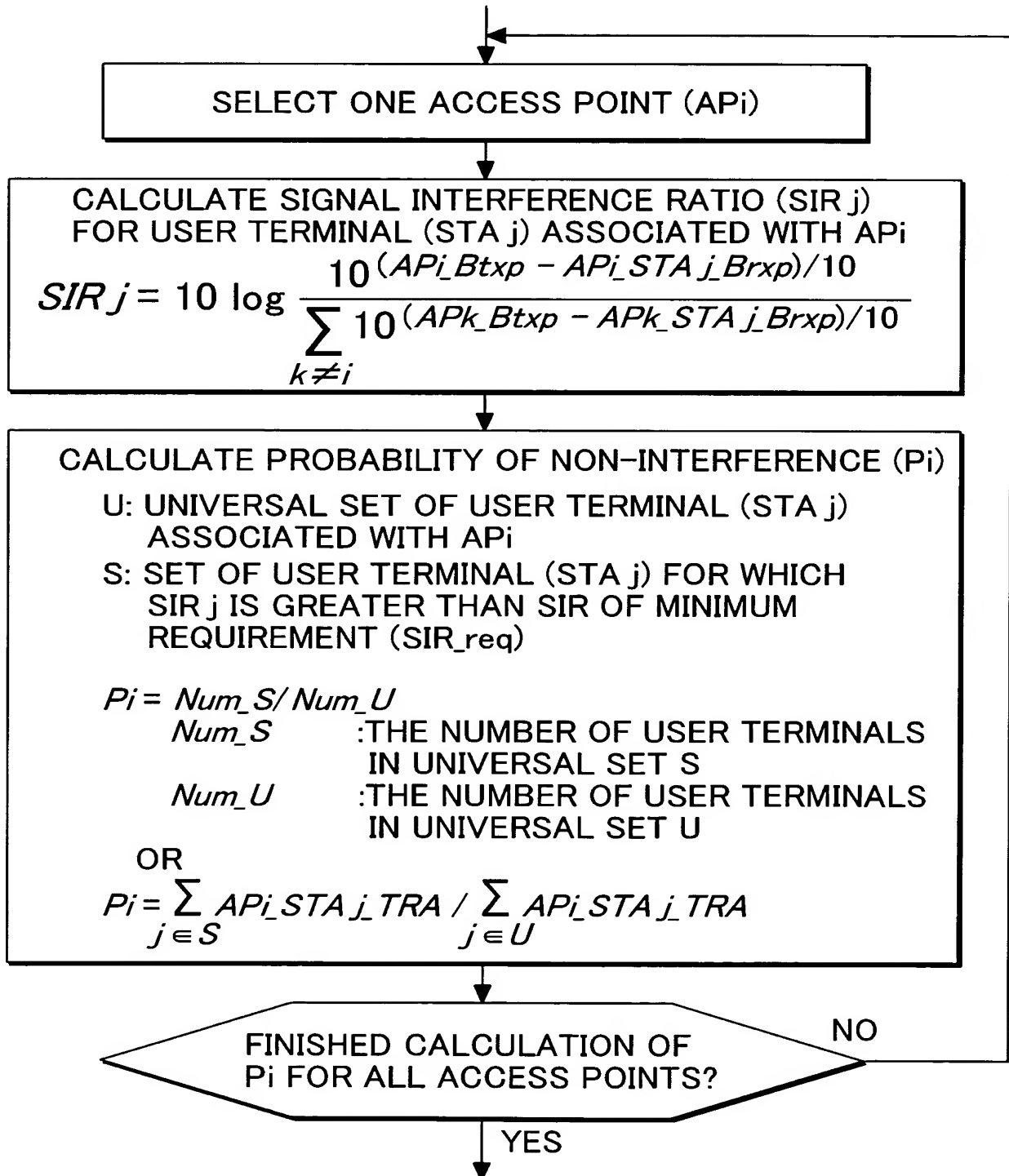
ALGORITHM OF TRANSMISSION CONTROL INFORMATION  
CALCULATION PART OF A MANAGEMENT SERVER  
(STEP1: TRANSMISSION POWER CALCULATION)





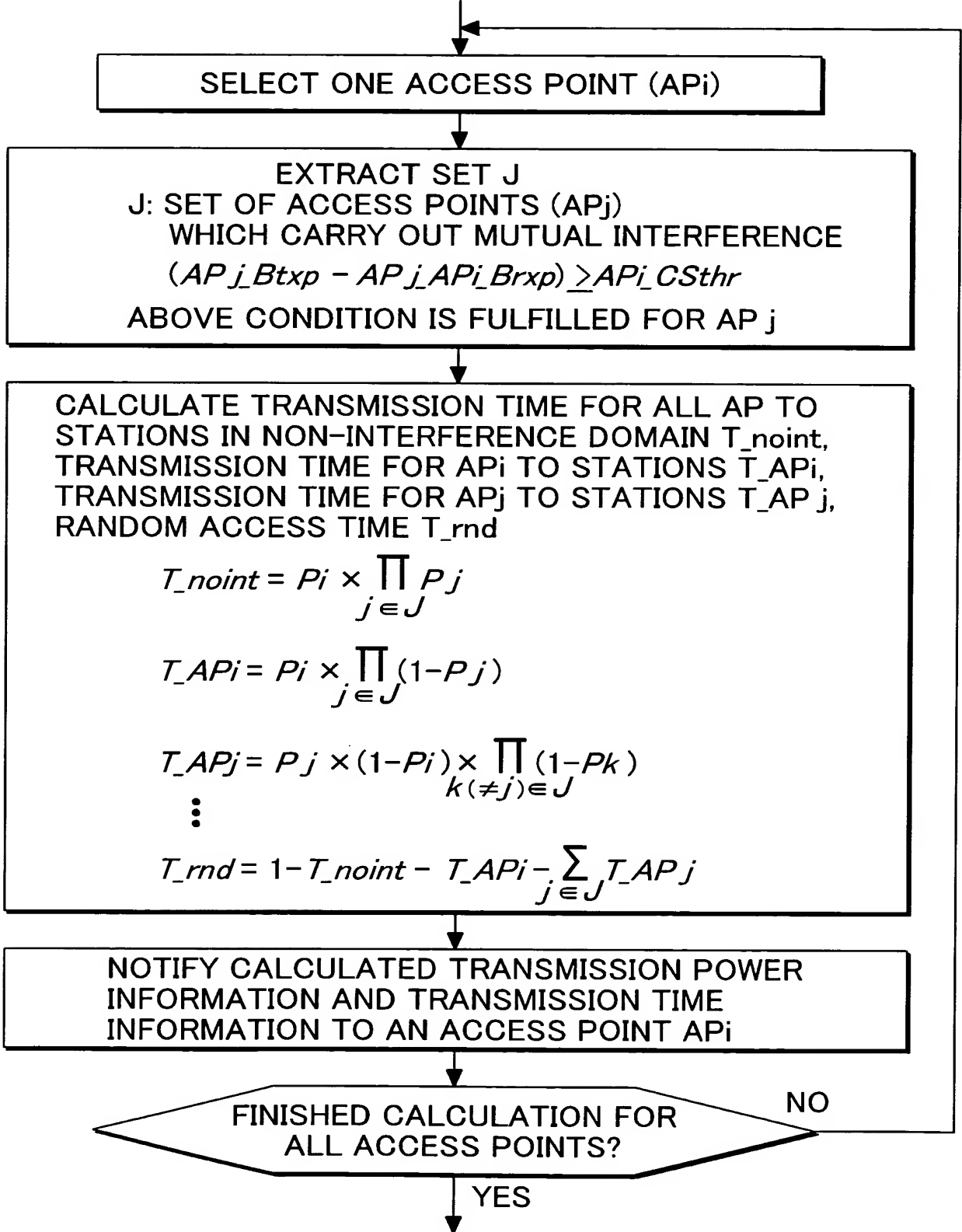
# FIG.9

## ALGORITHM OF TRANSMITTING CONTROL INFORMATION CALCULATION PART (STEP2: CALCULATE PROBABILITY OF NON-INTERFERENCE)



# FIG.10

ALGORITHM OF TRANSMITTING CONTROL INFORMATION CALCULATION PART  
(STEP3: CALCULATE TRANSMISSION TIME)

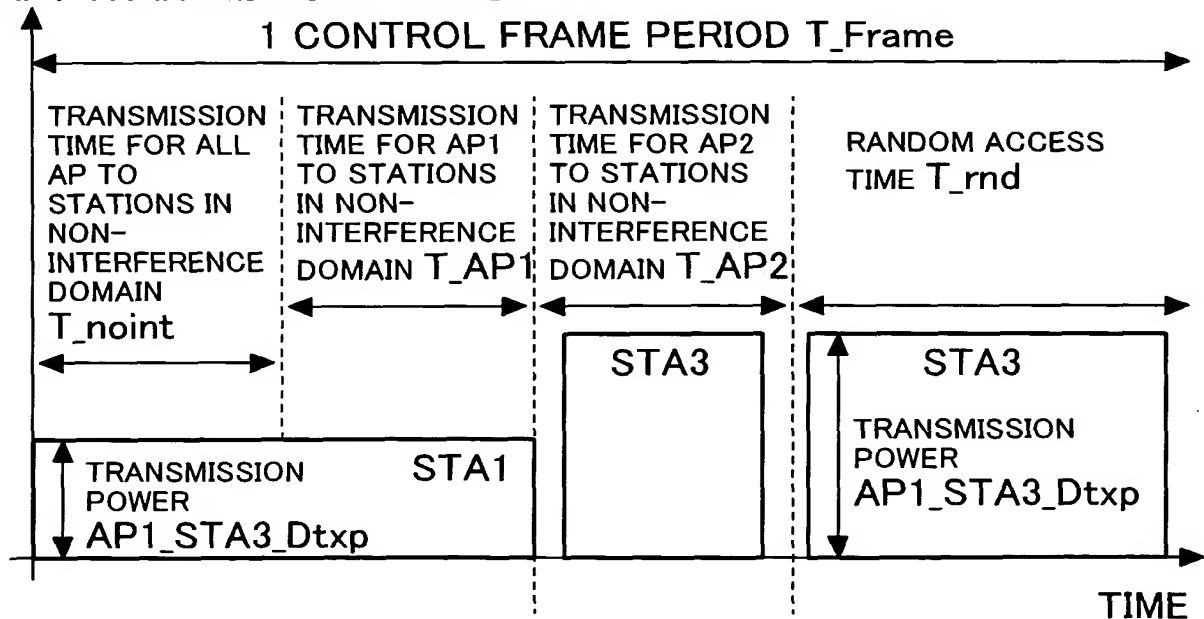


# FIG.11

TRANSMITTING CONTROL SIGNAL INFORMATION FROM  
A MANAGEMENT SERVER TO AN ACCESS POINT

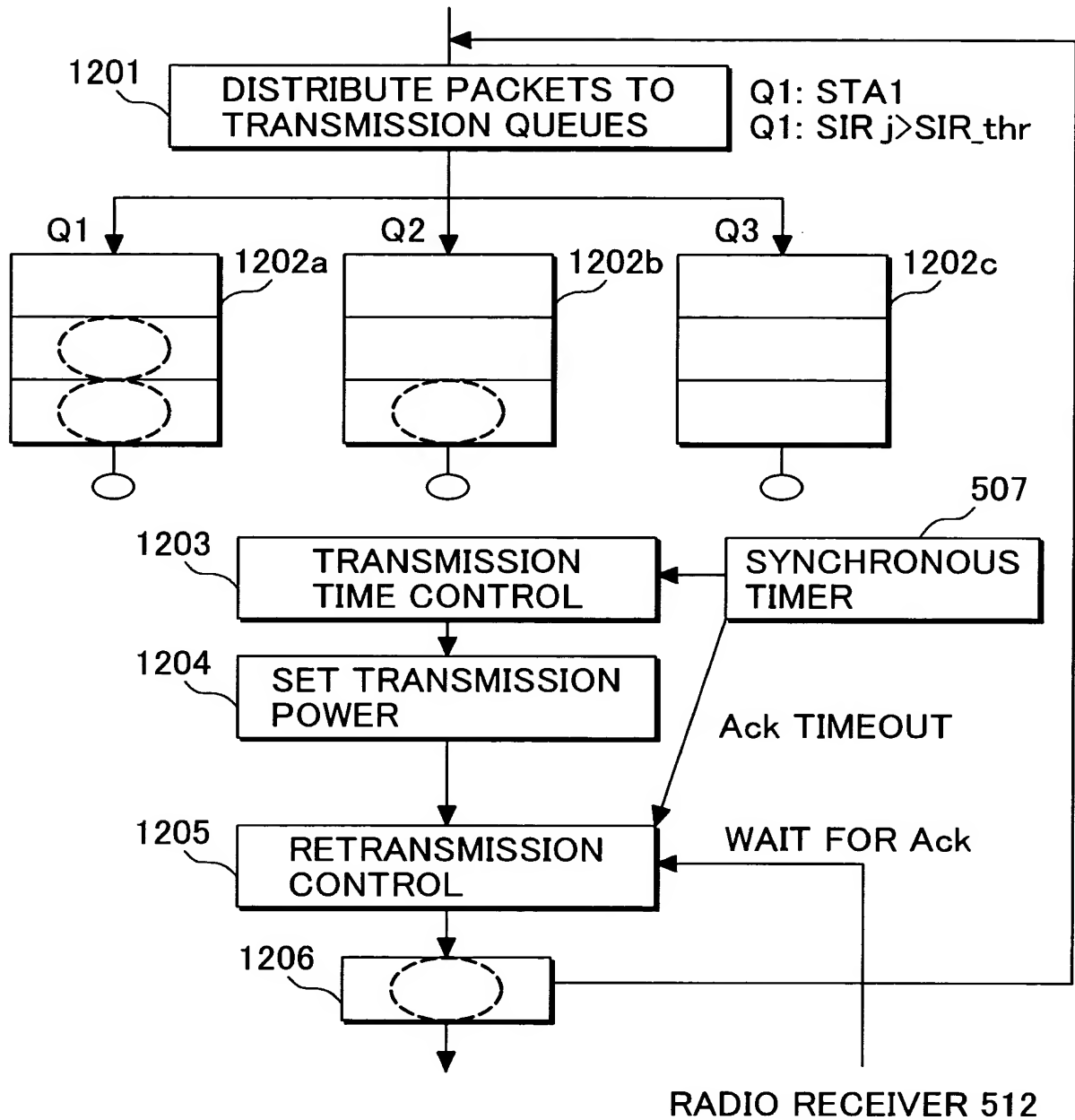
1 CONTROL FRAME PERIOD (T_frame)		
TRANSMISSION TIME FOR ALL AP TO STATIONS IN NON-INTERFERENCE DOMAIN (T_noint)		
THE NUMBER OF ACCESS POINTS WHICH CARRY OUT MUTUAL INTERFERENCE		
AP1 ID	TRANSMISSION TIME FOR AP1 T_AP1	
AP2 ID	TRANSMISSION TIME FOR AP2 T_AP2	
RANDOM ACCESS TIME (T_rnd)		
THE NUMBER OF USER TERMINALS (STA_Num)		
SIR OF MINIMUM REQUIREMENT (SIR_req)		
STA1 ID	SIR 1	TRANSMISSION POWER AP1_STA1_Dtxp
STA3 ID	SIR 3	TRANSMISSION POWER AP1_STA3_Dtxp

AP1 TRANSMISSION POWER

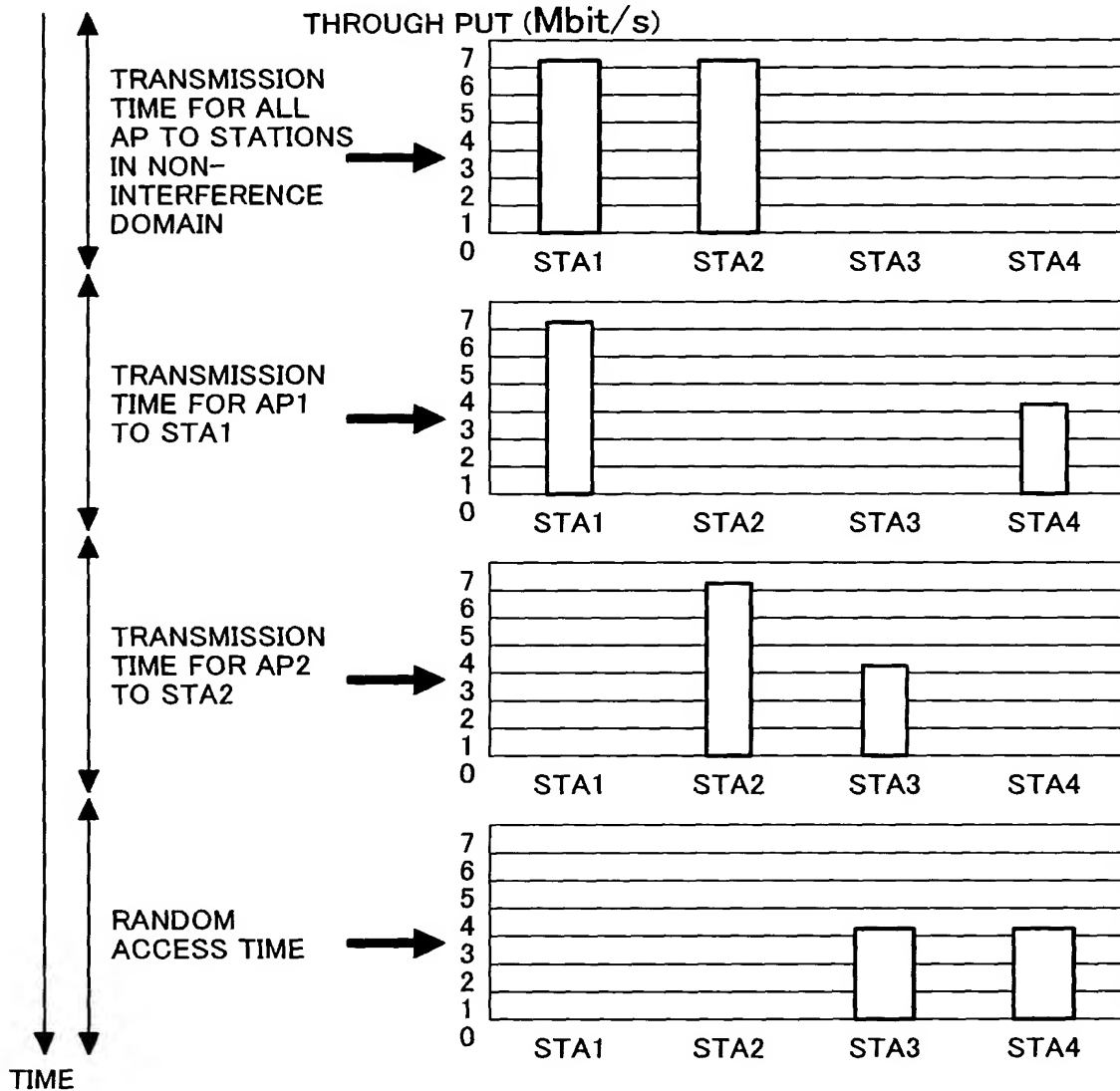
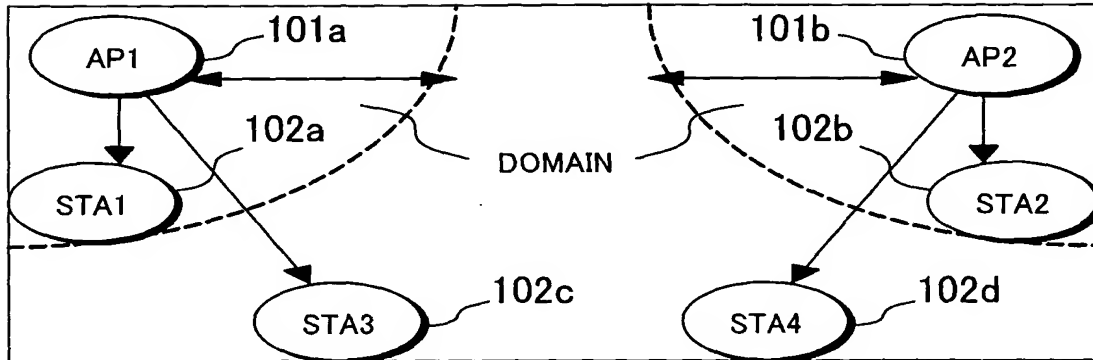


# FIG.12

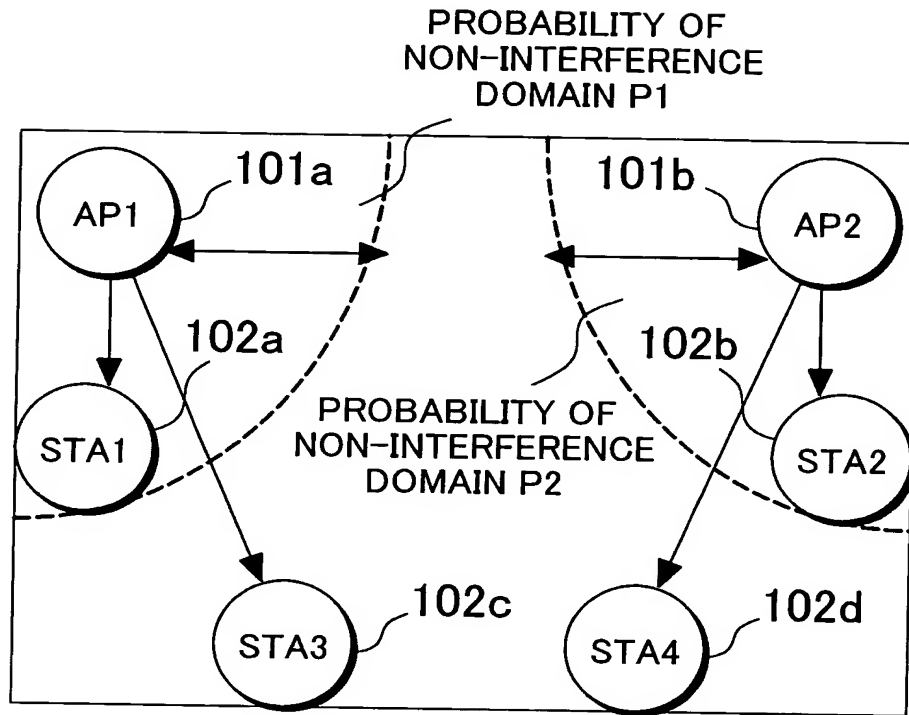
## TRANSMISSION CONTROL PART OF ACCESS POINT



# FIG.13

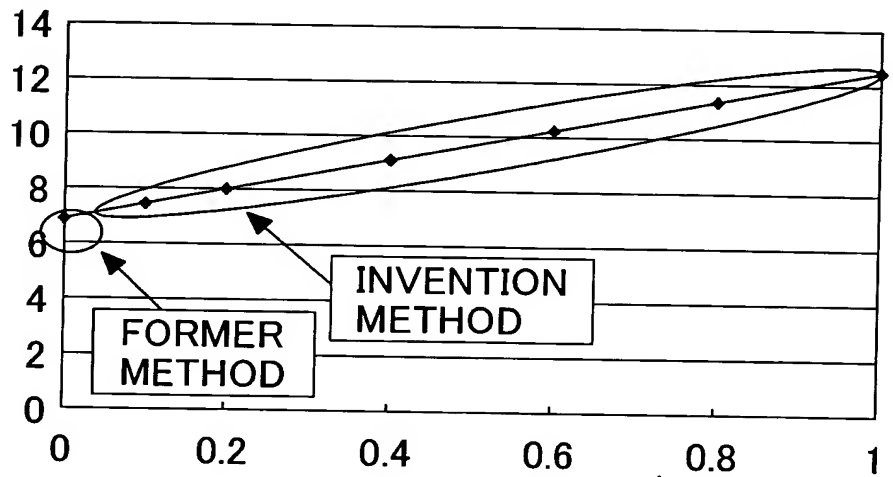


# FIG.14



THE EFFECT AT THE TIME OF 2 PARALLEL TRANSMISSIONS

SYSTEM THROUGHPUT (Mbit/s)



PROBABILITY OF NON-INTERFERING ( $P_1=P_2$ )